Study on Monsoon Behaviour

2633. SHRI RUMANDLA RAMACHANDRAIAH: Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether meteorological department proposes to conduct experiment to establish the link between the Arabian sea and the climate on the Indian subcontinent, particularly in the matter of behaviour of Monsoon;

(b) if so, the institutions, organisations and universities taking part in this experiment; and

(c) the benefits that would accrue to India in this experiment?

THE MINISTER OF STATE IN THE DEPARTMENT OF SCIENCE AND TECHNOLOGY IN THE MINISTRY OF SCIENCE AND TECHNOLOGY (SHRI BACHI SINGH RAWAT): (A) Arabian Sea Monsoon Experiment (ARMEX) is in progress under the aegis of Department of Science & Technology (DST) with the participation of 24 Indian Scientific Organizations with India Meterological Department as one of the lead participants.

(b) The list of Institutions, Organizations and Universities taking part in this experiment is annexed as Statement (*See below*).

(c) Results of this experiment will help in better understanding of the Monsoon.

Statement

Participating/Interested Institutes

1. India Meteorological Department (IMD), New Delhi
2. National Centre for Medium Range Weather Forecasting (NCMRWF), New Delhi
3. Indian Institute of Science, Bangalore
4. Indian Institute of Tropical Meteorology (IITM), Pune

5. National Institute of Oceanography (NIO), Goa
6. Naval Physical and Oceanography Laboratory (NPOL)
7. Indian Institute of Technology, New Delhi
8. Indian Air Force, IAF, New Delhi
9. Indian Navy, IN, New Delhi
10. National Institute of Ocean Technology (NIOT), Chennai
11. INCAOR, Goa
12. Space Physics Laboratory (SPL), Trivendrum
13. Space Application Centre (SAC), Ahmedabad
14. National Remote Sensing Agency (NRSA), Hyderabad
15. National Physical Laboratory, NPL, New Delhi
16. Indian Coast Guard, IN, New Delhi
17. Andhra University, Vishakapatnam
18. Cochin University, Cochin
19. Other universities/institutions such as Banaras, Jadavpur, Mangalore, IIT Kharagpur, Goa University, Agriculture University at Dapoli and Mulde *etc.* where meterological/atmospheric science groups are active in the related research.
20. DG Shipping
21. Jawaharlal Nehru Port Trust
22. Oil and Natural Gas (ONGC) offshore drilling rigs
23. National Centre for Antarctic and Oceanic Research, Goa
24. Atomic Energy Centre, Tarapur

UNDP Energy report in Steel Sector

2634. SHRI P. PRABHAKAR REDDY: Will the Minister of STEEL be pleased to state:

(a) whether the UNDP energy report on small and medium enterprises in the steel sector has been received;

(b) if so, the details thereof and by when the same is likely to be released and implemented; and